



- GENERAL NOTES**
1. FLOWS ARE FOR ANNUAL AVERAGE CASE AT 54 F ° AVERAGE AMBIENT TEMPERATURE, WITH HEAVY FIRING, CT EVAPORATIVE COOLERS IN OPERATION AS REQUIRED
 2. FLOWS ARE DAILY AVERAGES FOR 24 HOUR OPERATION, AT STEADY STATE CONDITIONS.
 3. COOLING TOWER BLOWDOWN SHOWN IS TOTAL FOR PLANT, AND REPRESENTS BLOWDOWN FLOW FROM BOTH TOWERS,

STREAM #	DESCRIPTION	FLOW - APPROX. 20 CONCENTRATIONS IN COOLING TOWER		STREAM #	DESCRIPTION	FLOW - APPROX. 20 CONCENTRATIONS IN COOLING TOWER	
		gallons/day	gpm			gpm	gallons/day
1	FIBER FARM RAW WATER SUPPLY	2,026	2,917,440	27	POWER BLOCKS 1&2 - COOLING TOWER BLOWDOWN (TOTAL)	160	230,400
2	SERVICE WATER STORAGE TANK MAKEUP	0	0	28	POWER BLOCK 1 - COOLING TOWER SIDE STREAM	1,330	1,915,200
3	RAW WATER STORAGE TANK MAKEUP	2,026	2,917,440	29	POWER BLOCK 2 - COOLING TOWER EVAPORATION, DRIFT	1,527	2,198,880
4	DEEP WELL RAW WATER SUPPLY	1,162	1,673,280	30	POWER BLOCK 2 - CIRCULATING WATER	167,646	
5	FIRE WATER SUPPLY	0	0	31	EVAPORATIVE COOLER BLOWDOWN (TOTAL)	26	37,440
6	MEDIA FILTER INLET	0	0	32	POWER BLOCK 2 - COOLING TOWER SIDESTREAM	1,330	1,915,200
7	RO SYSTEM INLET	0	0	33	SIDESTREAM TREATMENT SYSTEM PRODUCT - 1	1,250	1,800,000
8	RO PRODUCT	0	0	34	SIDESTREAM TREATMENT SYSTEM PRODUCT - 2	1,250	1,800,000
9	RO REJECT	0	0	35	POTABLE WATER SUPPLY	1	1,440
10	DEMINERALIZER PRODUCT WATER TO STORAGE	70	100,800	36	SANITARY WATER SUPPLY	1	1,440
11	POWER BLOCK 1 - STEAM VENT LOSSES	11	15,840	37	POTABLE WATER - CHEMICAL AREAS	INTERMITTENT	
12	POWER BLOCK 1 - HRSG MAKEUP	33	47,520	38	SANITARY WASTE	1	1,440
13	POWER BLOCK 1 - CT EVAPORATIVE COOLER MAKEUP	26	37,440	39	MEDIA FILTER BACKWASH	0	0
14	POWER BLOCK 1 CT WATER WASH	2	2,880	40	PLANT WASHDOWN, EQUIPMENT DRAINS	25	36,000
15	POWER BLOCK 1 - CT EVAPORATIVE COOLER BLOWDOWN	13	18,720	41	OIL/WATER SEPARATOR EFFLUENT	25	36,000
16	POWER BLOCK 1 - HRSG BLOWDOWN	22	31,680	42	STORMWATER	INTERMITTENT	
17	POWER BLOCK 2 - HRSG MAKEUP	33	47,520	43	STORMWATER	INTERMITTENT	
18	POWER BLOCK 2 - CT EVAPORATIVE COOLER MAKEUP	26	37,440	44	PLANT REUSE	INTERMITTENT	
19	POWER BLOCK 2 - CT WATER WASH	2	2,880	45	BRINE CONCENTRATOR FEED	160	230,400
20	POWER BLOCK 2 - CT EVAPORATIVE COOLER BLOWDOWN	13	18,720	46	BRINE CONCENTRATOR DISTILLATE	142	204,480
21	POWER BLOCK 2 - HRSG BLOWDOWN	22	31,680	47	BRINE CONCENTRATOR WASTE	18	25,920
22	POWER BLOCK 2 - STEAM, VENT LOSSES	11	15,840	48	DISTILLATE TO DEMINERALIZER SYSTEM	70	100,800
23	POWER BLOCK 1 - COOLING TOWER MAKEUP	1,807	2,314,080	49	RECYCLED DISTILLATE/PLANT WATER MAKEUP	53	76,320
24	POWER BLOCK 2 - COOLING TOWER MAKEUP	1,807	2,314,080	50	DEMINERALIZER SYSTEM FEED	70	100,800
25	POWER BLOCK 1 - COOLING TOWER EVAPORATION, DRIFT	1,527	2,198,880	51	BRINE CONCENTRATOR DISTILLATE (INTERMITTENT)	19	27,360
26	POWER BLOCK 1 - CIRCULATING WATER	167,646		52	BRINE CONCENTRATOR FEED (INTERMITTENT)	0	0



Figure 2.5.3-1
Water Balance - Annual Average Day
 Wallula Power Project